

# INTERNATIONAL COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  0000053806	<b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No.  PCT/ EP 03/ 08397	International filing date (day/month/year)  30/07/2003	(Earliest) Priority Date (day/month/year)  01/08/2002
Applicant  BASF AKTIENGESELLSCHAFT		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 06 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/08397

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D263/52 C07D277/70 C07D498/04 C07D513/04 C07D263/46  
 C07D277/36 C07D233/84 C07D271/10 C07D285/125  
 //(C07D498/04,263:00,221:00),(C07D513/04,277:00,221:00)

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BEILSTEIN Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 86 07590 A (FMC CORP) 31 December 1986 (1986-12-31) cited in the application claims 1,18,34,50; example 23 ---	1-16
Y	WO 97 08130 A (BAYER AG ; MONSANTO CO (US); KRAATZ UDO (DE); ANDERSCH WOLFRAM (DE)) 6 March 1997 (1997-03-06) cited in the application claims 1,6-10 ---	1-16
Y	EP 1 000 946 A (AMERICAN CYANAMID CO) 17 May 2000 (2000-05-17) cited in the application claims 1,3,5; examples 4-6 ---	1-16
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

15 December 2003

Date of mailing of the international search report

30/12/2003

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/08397

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 38 16 807 A (SCHERING AG) 23 November 1989 ((1989-11-23)) claims 1,3-5; examples 3,5 ---	1-16
Y	DE 38 24 879 A (SCHERING AG) 15 February 1990 ((1990-02-15)) claims 1-5 ---	1-16
Y	GB 2 294 928 A (BAYER AG) 15 May 1996 ((1996-05-15)) claims 1,5-8 -----	1-16

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP 03/08397

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 10, 12, 14  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 10, 12 and 14 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/EP 03/08397

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 8607590	A	31-12-1986	AU 601656 B2	13-09-1990
			AU 6122986 A	13-01-1987
			BR 8606746 A	13-10-1987
			CA 1277668 C	11-12-1990
			CN 86104207 A	01-04-1987
			DK 84387 A	19-02-1987
			EP 0228447 A1	15-07-1987
			HU 42424 A2	28-07-1987
			HU 204022 B	28-11-1991
			OA 8484 A	29-07-1988
			WO 8607590 A1	31-12-1986
			ZA 8604637 A	24-02-1988
			JP 63500037 T	07-01-1988
			MX 9249 A	01-12-1993
			US 4952580 A	28-08-1990
WO 9708130	A	06-03-1997	DE 19531276 A1	27-02-1997
			AU 6872896 A	19-03-1997
			BR 9610022 A	06-07-1999
			CA 2230031 A1	06-03-1997
			CN 1200108 A	25-11-1998
			WO 9708130 A1	06-03-1997
			EP 0846099 A1	10-06-1998
			JP 11510474 T	14-09-1999
			TR 9800296 T1	22-06-1998
EP 1000946	A	17-05-2000	AT 252106 T	15-11-2003
			AU 5943699 A	18-05-2000
			BR 9905615 A	07-11-2000
			DE 69912067 D1	20-11-2003
			EP 1000946 A2	17-05-2000
			JP 2000143668 A	26-05-2000
			KR 2000035479 A	26-06-2000
			NZ 500926 A	27-04-2001
			PL 336563 A1	22-05-2000
			TR 9902807 A2	21-06-2000
			ZA 9907122 A	19-05-2000
DE 3816807	A	23-11-1989	DE 3816807 A1	23-11-1989
			AU 3457689 A	16-11-1989
			BR 8902240 A	09-01-1990
			CN 1037632 A	06-12-1989
			DD 285977 A5	10-01-1991
			DK 231089 A	14-11-1989
			EP 0342150 A1	15-11-1989
			FI 892289 A	14-11-1989
			HU 50143 A2	28-12-1989
			JP 2085267 A	26-03-1990
			ZA 8903575 A	31-01-1990
DE 3824879	A	15-02-1990	DE 3824879 A1	15-02-1990
			AU 3457689 A	16-11-1989
			BR 8902240 A	09-01-1990
			CN 1037632 A	06-12-1989
			DK 231089 A	14-11-1989
			EP 0342150 A1	15-11-1989
			FI 892289 A	14-11-1989
			HU 50143 A2	28-12-1989

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/08397

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 3824879 A		JP 2085267 A	26-03-1990
GB 2294928 A	15-05-1996	DE 19541401 A1	15-05-1996
		FR 2726822 A1	15-05-1996
		JP 8239370 A	17-09-1996